

APPARATUS, SYSTEM, METHOD, AND
PROGRAM FOR FACILITATING THE
DESIGN OF ELECTRONIC ASSEMBLIES
Stanley Loren Bentley et al.
6890-74182

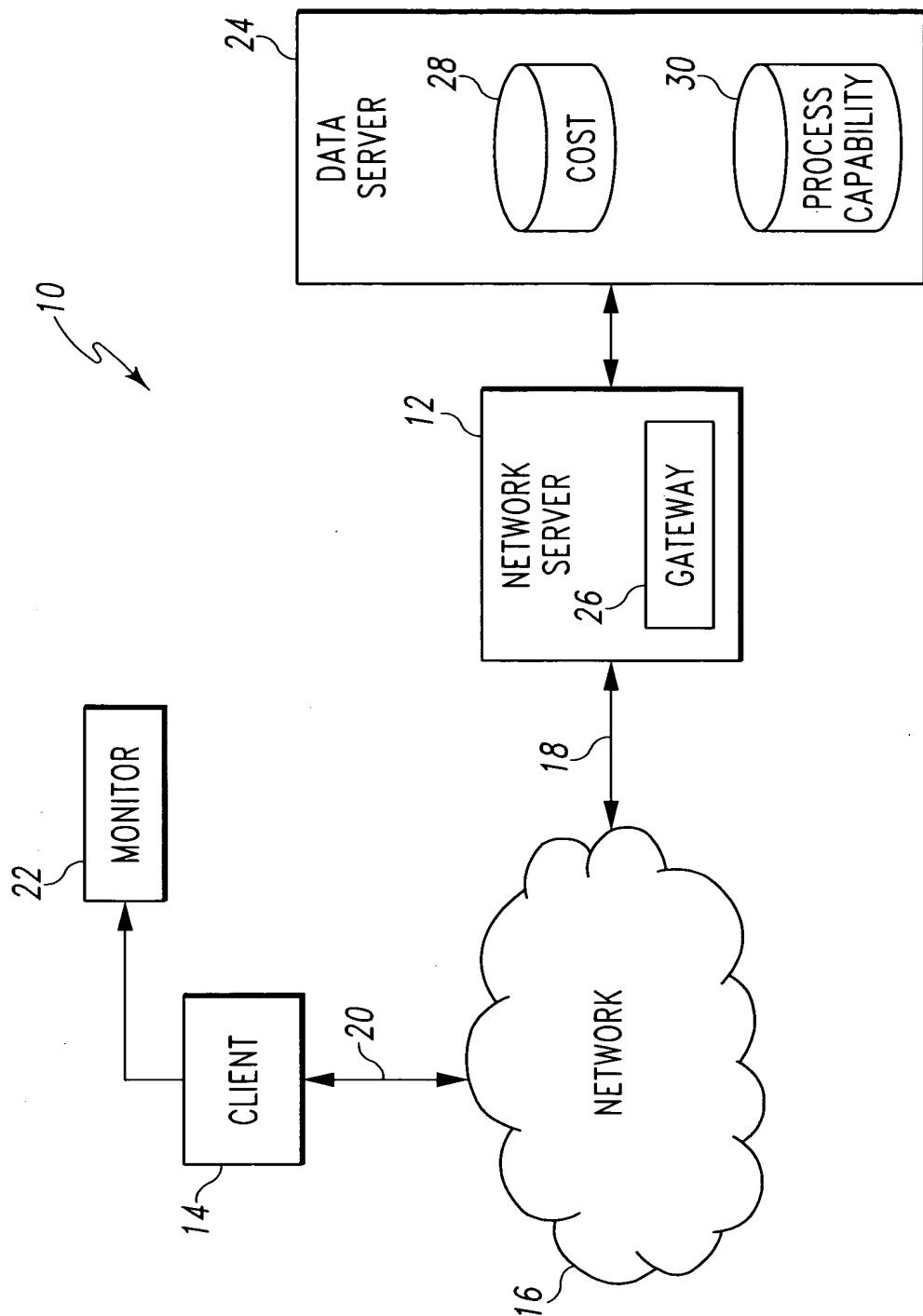


Fig. 1

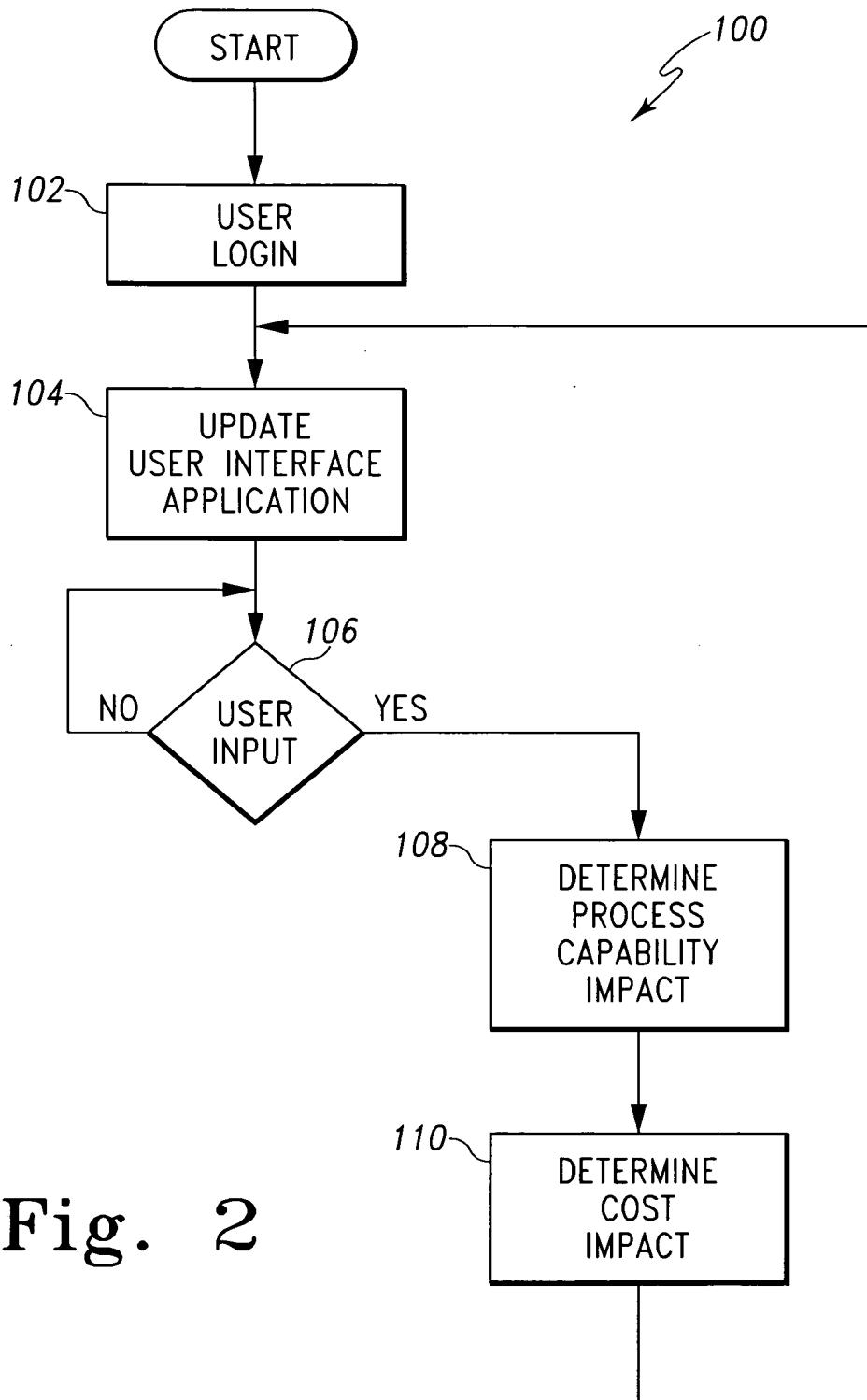


Fig. 2

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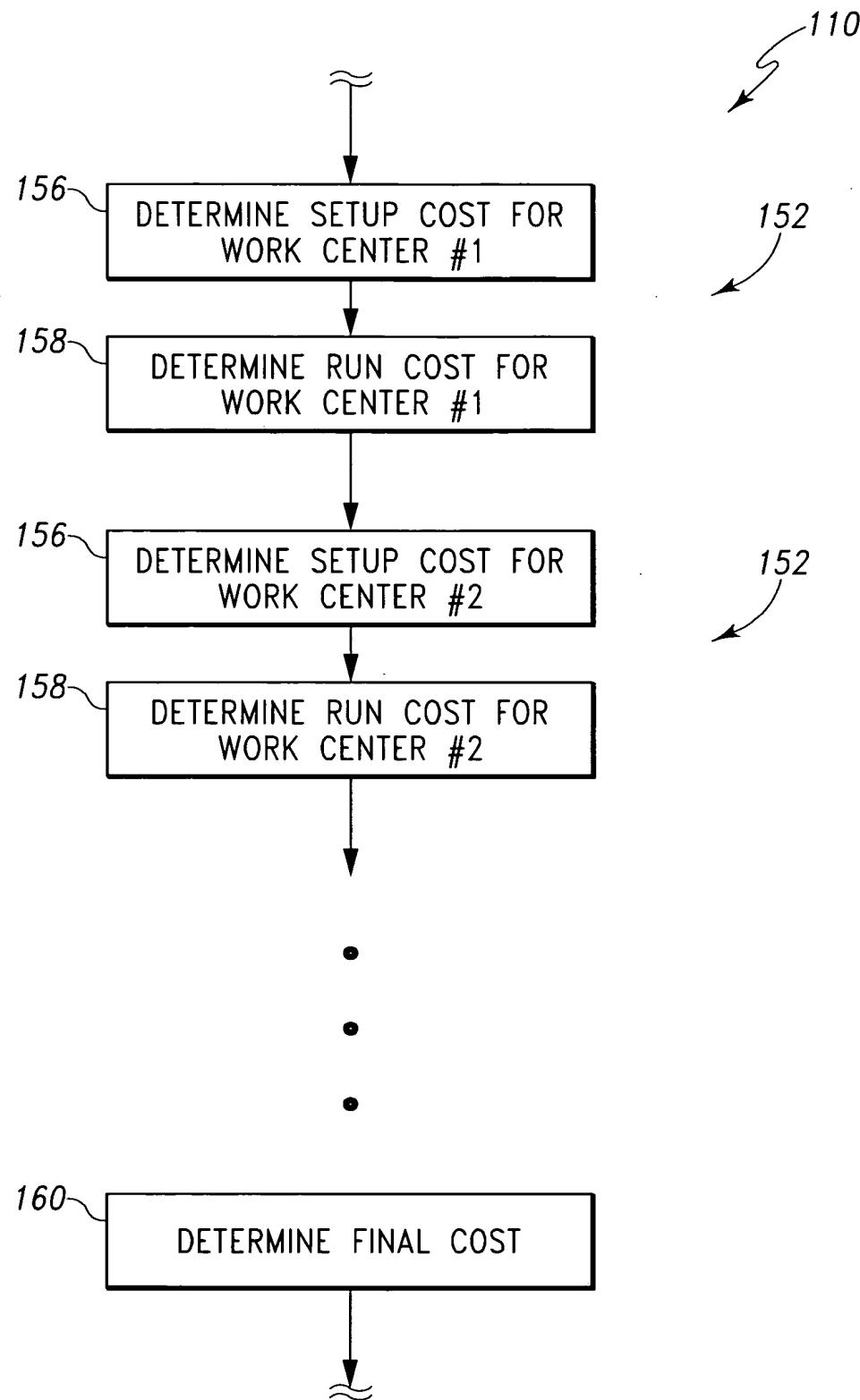


Fig. 3

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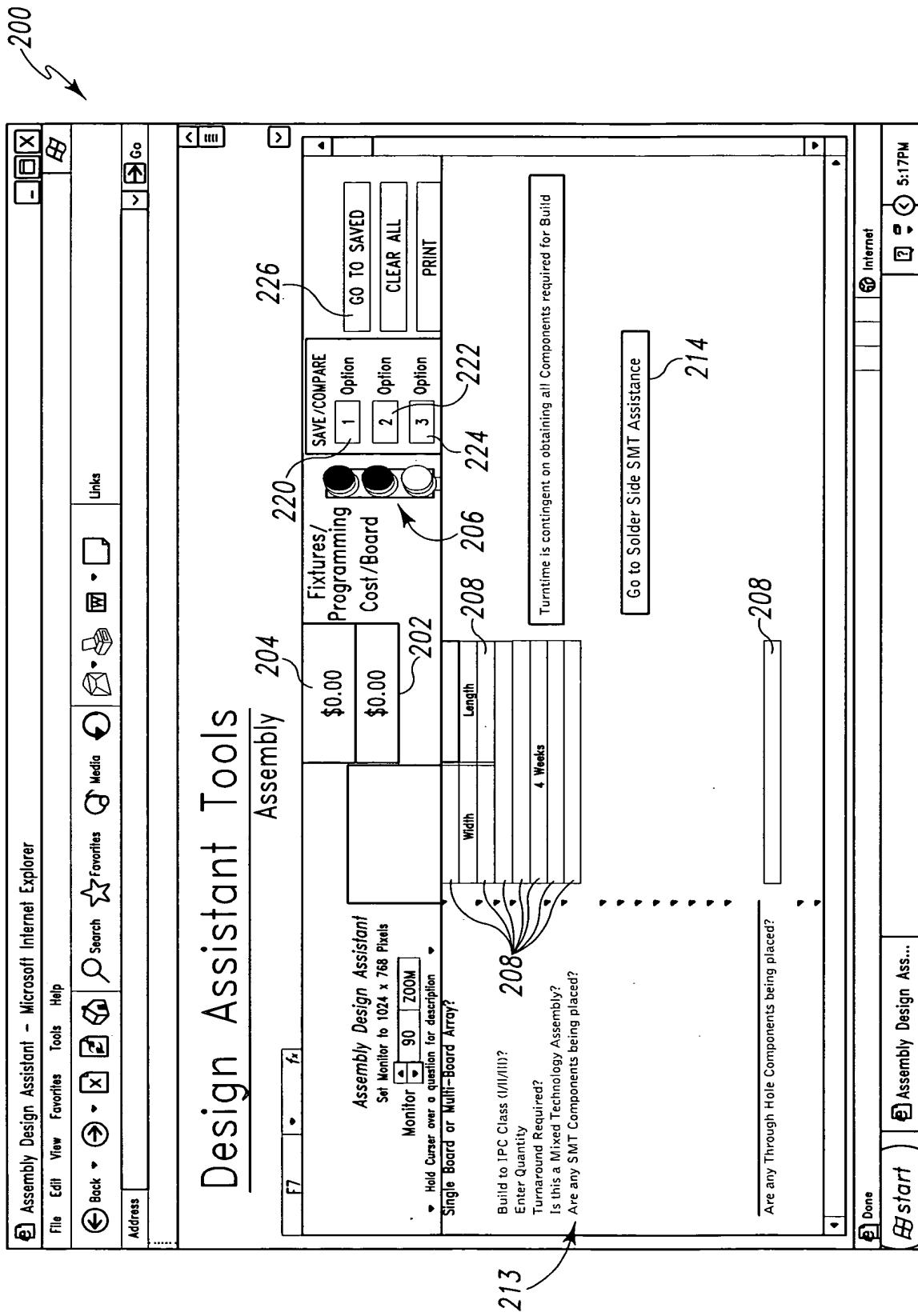


Fig. 4

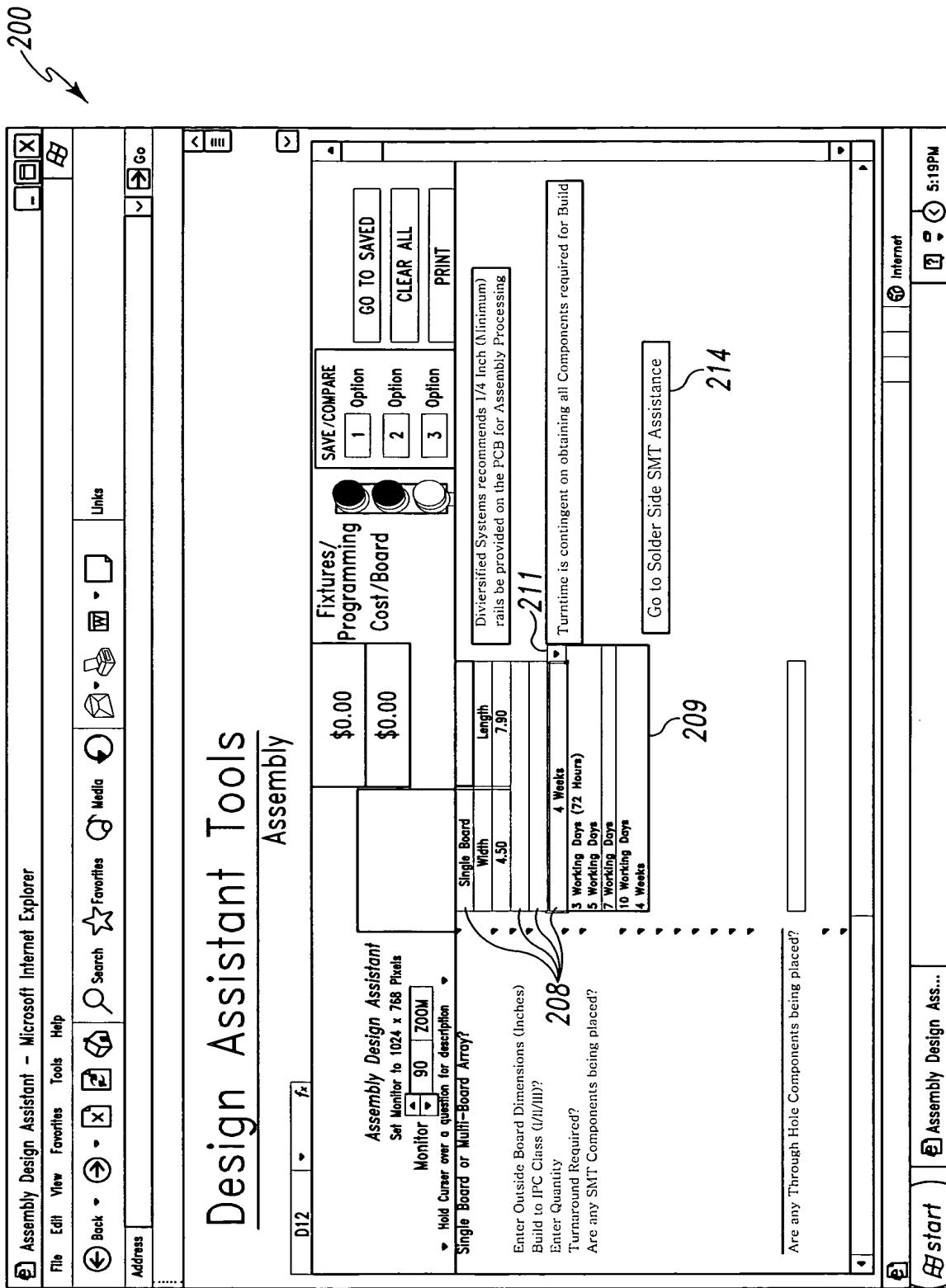


Fig. 5

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200

Design Assistant Tools

Assembly 206

Assembly Design Assistant - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back • Forward • Stop • Refresh • Search • Favorites • Favorites • Media • Links

Address:

Go Back Forward

Assembly Design Assistant

Set Monitor to 1024 x 768 Pixels

Monitor 90 ZOOM

Hold Cursor over a question for description

Single Board or Multi-Board Array?

Width Length Recommend 1/4 Inch (Minimum)

IPC-A-610:
Each Class requires specific criteria be met in regards to Solder Connections,
the higher the Class the Higher the Manufacturing Difficulty.

IPC-A-610:
Build to IPC Class (I/II/III)?

Enter Quantity

Turnaround Required?

Is this a Mixed Technology Assembly?

Are any SMT Components being placed?

Are any Through Hole Components being placed?

Are any Components required for Build

all Components required for Build

assembly Processing

212

Internet 5:20PM

Restart Assembly Design Ass...

Fig. 6

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200

Design Assistant Tools

Assembly 206

F16	•	fx
Assembly Design Assistant - Microsoft Internet Explorer		
File Edit View Favorites Tools Help Back • Forward • Stop • Refresh • Search • Favorites • Favorites • Media • Links Address: Go		
Assembly Design Assistant Set Monitor to 1024 x 768 Pixels Monitor: 90 ZOOM Hold Cursor over a question for description		
\$656.30 \$0.00		
Fixtures/ Programming Cost/Board		
SAVE/COMPARE 1 Option 2 Option 3 Option		
GO TO SAVED CLEAR ALL PRINT		
Recommended 1/4 inch (Minimum) rails be provided on the PCB for Assembly Processing		
Turntime is contingent on obtaining all Components required for Build		
Single Board Width: 4.50 Length: 7.90		
4 Weeks		
Enter Outside Board Dimensions (Inches) Build to IPC Class (I/II/III)? Enter Quantity Turnaround Required?		
Is this a Mixed Technology Assembly? Are any SMT Components being placed?		
Total # of Unique SMT Components: 208 Of these, Enter the # of Unique BGAs: 208 Total # of SMT Components being placed: 208 Of these, are any of these smaller than 0603? 208 Of these, Enter the # that contain 3 leads or more: 208 Of these, Enter the # that are BGAs' 208 Surface Mount Expected SMT Process		
Arc any Through Hole Components being placed? 1		
Reflow Component Side Components, Glue Dot Solder Side Components		
Done Start Assembly Design Ass...		
1 2 3 Internet 5:22PM		

213

Fig. 7

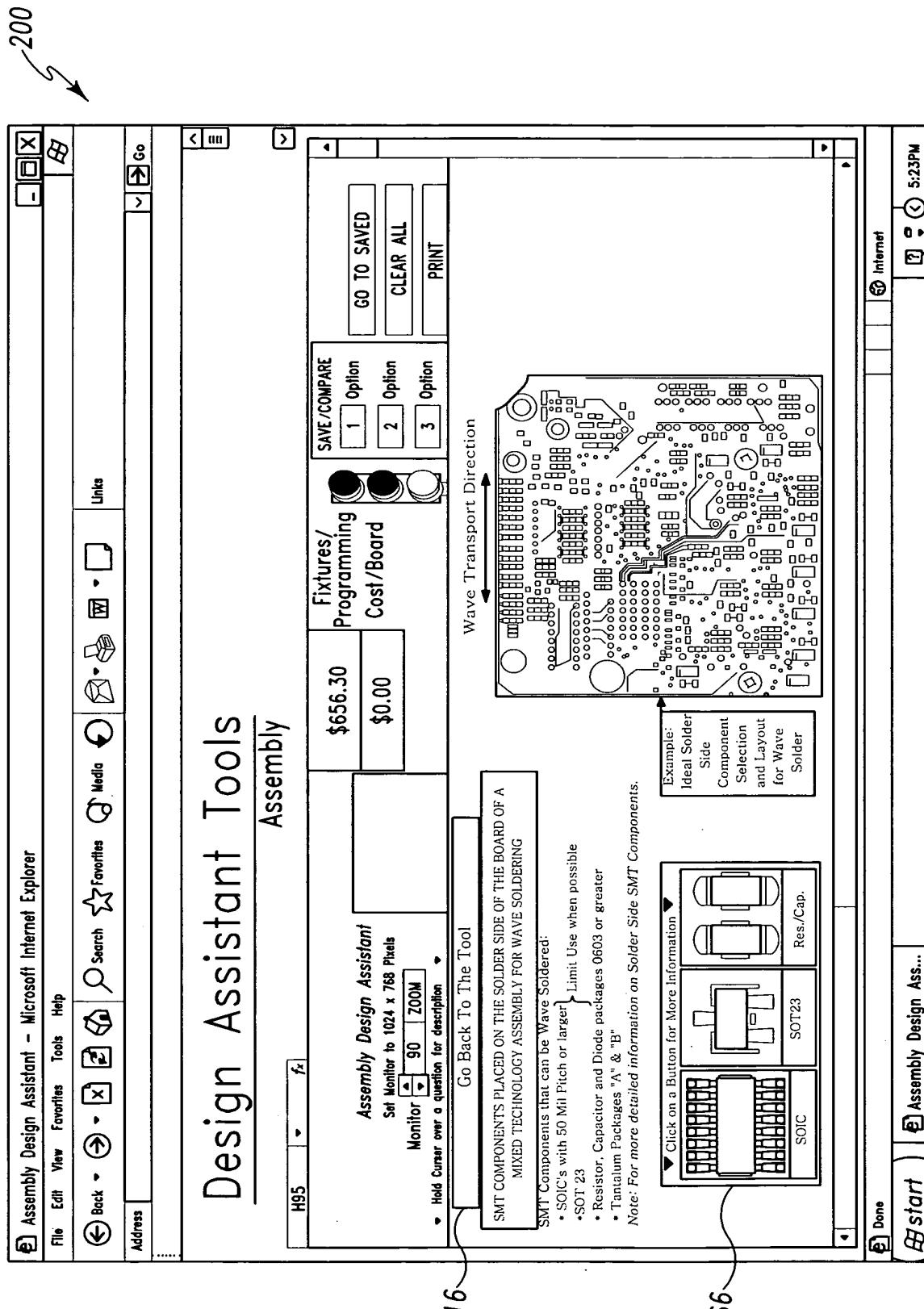
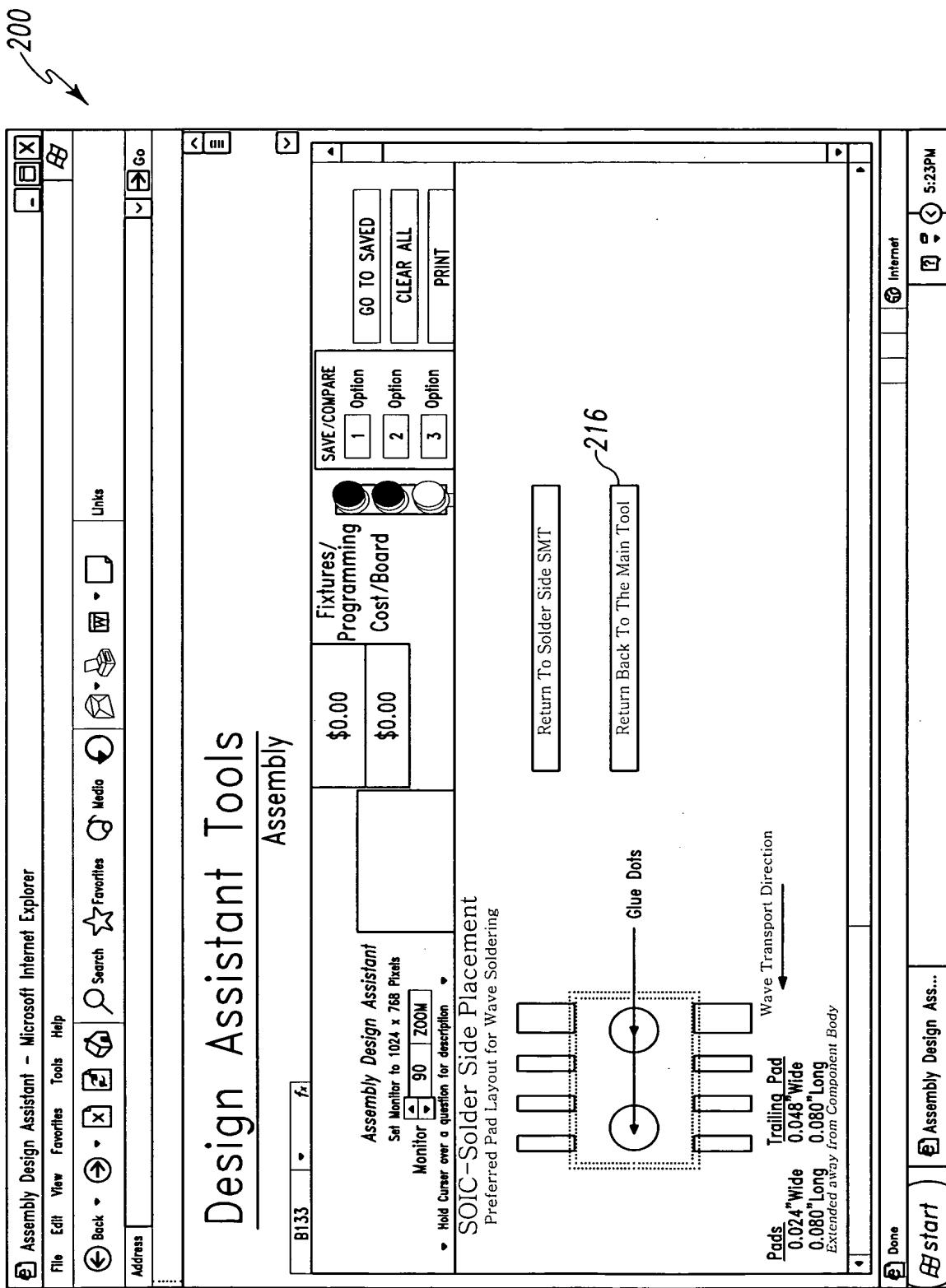


Fig. 8

**APPARATUS, SYSTEM, METHOD, AND
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9
Fig.

Design Assistant Tools

Fig. 10